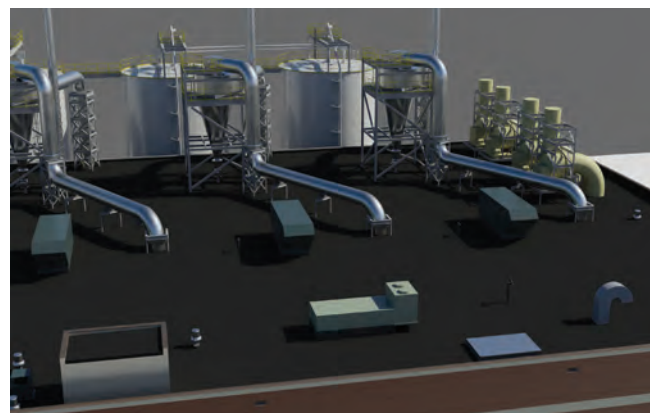


Administration Building HVAC Replacement - W. Hartford, CT
 Cabotville Industrial Park Building - Chicopee, MA
 Chiller Replacements - Amherst, MA
 Chlorine Building - Manchester, NH
 City Hall HVAC Upgrades - Westfield, MA
 City Hall Upgrades - Gardner, MA
 Clark School Heating System Evaluation - Worcester, MA
 Community Wind Projects - MA
 Electric and Steam Improvements - Deerfield, MA
 Energy Management Services - Westfield, MA
 Engineering/Permitting Services for Solar Energy - MA
 Greenwood Memorial Pool - Gardner, MA
 Holyoke Community College Lighting and Security - MA
 Housing Modernization Services - Holyoke, MA
 Lake Gaillard Pump Station - North Branford, CT
 Massachusetts School Building Authority Green Repairs - MA
 Medical Gas Air Compressors - University of Rhode Island
 Metropolitan District HVAC System - Hartford, CT
 Regional Water Authority Arc Flash Study - New Haven, CT
 Senior Center Electrical Upgrades - East Longmeadow, MA
 Standby Generator Upgrades - Worcester, MA
 United Lens - Southbridge, MA



Aquarion Water Company
 Deerfield Academy
 Dutchess County Water and Wastewater Authority, NY
 Gardner, MA
 Hampshire College
 Holyoke Community College
 Manchester, NH
 Massachusetts School Building Authority
 Massachusetts State Trial Courts
 The Metropolitan District Commission
 Eversource
 Peoples Bank
 Rhode Island College
 South Central Connecticut Regional Water Authority
 University of Connecticut
 University of Massachusetts
 University of New Hampshire
 University of Rhode Island
 Worcester, MA
 Yale New Haven Hospital
 Yale University

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Tighe&Bond Mechanical, Electrical, Plumbing, and Fire Protection Services

Tighe & Bond is a full service engineering firm that offers a wide variety of services to our clients. As the demand for mechanical, electrical, and plumbing engineering services has grown, we have expanded our staff and technical offerings. The following is a list of representative project types and the wide variety of services we can provide.

Project Types

- ◆ Education
- ◆ Dormitories
- ◆ Healthcare Facilities
- ◆ Industrial, Commercial, and Multi-Family Residential
- ◆ Office Buildings
- ◆ Renewable/Green Energy (Solar, Wind, Hydro-electric, Fuel Cell, Biomass)
- ◆ Research and Pharmaceutical Labs and Buildings
- ◆ Water and Wastewater Facilities
- ◆ Food and Beverage Facilities
- ◆ Underground Parking Garages

Our Design Experience Features:

- ◆ Building Energy Modeling for LEED Compliance
- ◆ AutoCAD MEP, Revit, and NavisWorks
- ◆ Conditions Assessment and Equipment Evaluation
- ◆ Construction Feasibility, Sequencing, and Coordination
- ◆ Design/Build or Design/Bid/Build
- ◆ Employee Training Services (NFPA 70E)
- ◆ LEED Documentation
- ◆ Life Cycle Cost Analysis
- ◆ Master Planning
- ◆ Opinion of Probable Cost and Value Engineering
- ◆ Permitting and Rebate Applications
- ◆ Startup Assistance

Heat, Ventilation, and Air Conditioning

- ◆ High Performance Systems & Sustainable Design
 - Heat Recovery Systems
 - Dedicated Outdoor Air Systems
 - Chilled Beam and Radiant Technologies
 - Combined Heat Power
- ◆ Building Ventilation Systems
- ◆ Hot Water and Steam Heating Plants
- ◆ Chilled Water Plants
- ◆ Dehumidification Systems
- ◆ Instrumentation and Control Systems
- ◆ Variable Refrigerant Flow System Design
 - Mitsubishi Electric Certified Designers

Electrical

- ◆ Medium and Low Voltage Distribution
- ◆ Cogeneration and Combined Heat & Power
- ◆ Construction Management
- ◆ Fire Alarm Systems
- ◆ Generator Design (Emergency and Standby)
- ◆ Grounding and Lightning Protection
- ◆ Lighting, Photometric Calculations and Control Systems
- ◆ Control Systems
 - System Integration and PLC Programming
 - Instrumentation and Controls
 - Power Distribution Systems
 - Security, Card Access, and CCTV
 - System Troubleshooting (Code and Field Wiring)
 - Tel/Data and Computer Networking
- ◆ NFPA 70E Compliance System
 - Electrical Safety and Arc Flash/Coordination Studies

Plumbing

- ◆ Legionellosis Risk Management for Building Water Systems
- ◆ Domestic Systems (Hot Water Production, Hot and Cold Water Distribution)
- ◆ Sanitary Drainage Systems
- ◆ Storm Water Systems
- ◆ Process Systems
- ◆ Emergency Eyewash and Shower Stations

Fire Protection

- ◆ Performance Specification for Fire Protection Systems
 - Wet Pipe
 - Dry Pipe
 - Pre-action
 - Deluge
 - Clean Agent
- ◆ Sprinkler Service Entrance Design
 - Rise Layouts
 - Fire Pump Layouts
- ◆ Sprinkler Head Layout Plans

Utility & Process Systems

- ◆ Combustion Calculations
- ◆ P&ID, Instrumentation and Controls
- ◆ Pipe Sizing and Pressure Drop Analysis
- ◆ Pump Upgrades
- ◆ Steam, Compressed Air Generation, and Distribution
- ◆ Thermal Calculations

